Mighty Marshall Thursday and Friday
August 4-5, 2005

Dress: NOT FORMAL. Business casual. Hotel has pool. Wireless is available in hotel. Bring cash for food.

6:45am Meet downstairs
6:50am Depart Academy House

7:20am Green line train;
Transfer to Yellow line at GALLERY PLACE/CHINATOWN;
Arrive at National airport 8:02am

Departure Flight: US AIRWAYS 2757	Return Flight: US AIRWAYS 2442
Depart: **9:20am** Washington/Reagan (DCA)	Depart: 5:24pm Huntsville
Arrive: **10:21am** Huntsville (HSV)	Arrive: 8:18pm Washington/Reagan

Pick up rental vans at National Rent-a-Car at airport:

Graylan	CF-920971923
Joe	CF-920971948
Danielle	CF-920971855
Abe	CF-920971966

Drive vans to US Space and Rocket Center, drop off vans, get on Marshall Shuttle bus:

1. Depart airport EAST on I-565/Hwy72 for 7.7 miles
2. Take Exit 15, hang a RIGHT at Tranquility Base Rd.
3. Park near base of vertical Saturn V rocket →

- Free lunch at Marshall,
- Tour Marshall all day,
- Dinner with other Academies at BBQ place (bring $),
- Evening at Von Braun observatory
- Check into hotel late

Radisson Inn Huntsville Airport (Exit 8)
8721 Highway 20 West,
Madison, Alabama 35758
256-772-8855

Jessica Culler - Marshall Academy Staff
256.961.7466 (Work)
405.249.5497 (Cell)

Marshal Blessing – Glenn Academy Staff
216-433-2958

NAME: Owen K. Garriott (Ph.D.)
NASA Astronaut (former)

PERSONAL DATA: Born November 22, 1930 in Enid, Oklahoma.

EDUCATION: Graduated from Enid High School in 1948; received a B.S. in Electrical Engineering from the University of Oklahoma in 1953 and a M.S. and Ph.D from Stanford University in Electrical Engineering in 1957 and 1960, respectively. Completed one year U.S. Air Force Pilot Training Program (1966), receiving qualification as pilot in jet aircraft.

ORGANIZATIONS: American Astronautical Society (Fellow), American Institute of Aeronautics and Astronautics (Associate Fellow), Institute of Electrical and Electronic Engineers, American Geophysical Union, American Association for the Advancement of Science, Association of Space Explorers (Board of Directors), Astronaut Scholarship Foundation (Vice President and Vice Chairman).

SPECIAL HONORS: National Science Foundation Fellowship, 1960-61; Honorary Doctorate of Science, Phillips University (Enid, OK), 1973; NASA Distinguished Service Medal, 1973; Collier Trophy for 1973; Federation Aeronautique International, Komarov Diploma for 1973; Goddard Memorial Trophy for 1975; NASA Space Flight Medal, 1983; and additional awards related to his space flights, including the Oklahoma Hall of Fame (1980), Oklahoma Air and Space Hall of Fame (1980), the U.S. Astronaut Hall of Fame (1997), the Oklahoma Military Hall of Fame (2000) and Enid Public Schools Hall of Fame (2001).

EXPERIENCE: Served as electronics officer on active duty in the U.S. Navy from 1953 to 1956. From 1961 through 1965 he was an Assistant Professor, then Associate Professor in the Department of Electrical Engineering at Stanford University. He performed research and led graduate studies in ionospheric physics after obtaining his doctorate and authored or co-authored more than 45 scientific papers, chapters and one book, principally in areas of the physical sciences.

In 1965 he was one of the first six Scientist-Astronauts selected by NASA. His first space flight aboard Skylab in 1973 set a new world record for duration of approximately 60 days, more than double the previous record. Extensive experimental studies of our sun, of earth resources and in various life sciences relating to human adaptation to weightlessness were made.

His second space flight was aboard Spacelab-1 in 1983, a multidisciplinary and international mission of 10 days. Over 70 separate experiments in six different disciplines were conducted, primarily to demonstrate the suitability of Spacelab for research in all these areas. He operated the world's first Amateur Radio Station from space, W5LFL, which has since expanded into an important activity on dozens of Shuttle flights, Space Station MIR and now the International Space Station, with scores of astronauts and cosmonauts participating.

Between these missions, he received a NASA fellowship for one year's study at Stanford (1975-76) and held the posts of Deputy, Acting and Director of Science and Applications at Johnson Space Center, (1974-75, 76-78). In the latter post he was responsible for all research in the physical sciences at the Johnson Space Center. From 1984 to 1986, he held the position of Project Scientist in the Space Station Project Office. In this position he worked closely with the external scientific communities and advised the Project Manager concerning the scientific suitability of the Space Station design.

After leaving NASA in June, 1986, he consulted for various aerospace companies and served as a member

of several NASA and National Research Council Committees.

From January 1988 until May 1993, he was Vice President of Space Programs at Teledyne Brown Engineering. This Division, which grew to over 1,000 people, provided payload integration for all Spacelab projects at the Marshall Space Flight Center and had a substantial role in the development of the U.S. Laboratory for the International Space Station.

He has devoted additional time to several charitable activities in his home town, including the Enid (OK) Arts and Sciences Foundation of which he was a co-Founder in 1992. More recently, he has accepted a position as Adjunct Professor in the Laboratory for Structural Biology at the University of Alabama in Huntsville (UAH) and has participated in research activities there involving new microbes he has returned from extreme environments such as very alkaline lakes and deep sea hydrothermal vents. Hyperthermophiles were returned from several dives in Russian MIR submersibles to the Rainbow Vents at a depth of 2,300 meters near the Azores in the Atlantic Ocean. Other research activities included three trips to Antarctica from which 20 meteorites were returned for laboratory study.

David A. King
Director NASA
Marshall Space Flight Center

David King is Director of NASA's Marshall Space Flight Center in Huntsville, Ala., heading one of NASA's largest field installations, with more than 6,500 civil service and contractor employees and an annual budget of $2.3 billion. Named to the position in June 2003, he manages a broad range of propulsion, scientific and space transportation activities contributing to the nation's space program.

Mr. King served as deputy director of the Marshall Center from November 2002 until his appointment as director. In that capacity, he played a key role in NASA's Space Shuttle Columbia recovery operations based in Lufkin, Texas, in 2003. He served as the senior on-site NASA official, directing efforts to search for clues and recover debris from the Feb. 1, 2003, accident.

Prior to his appointment as Marshall Center deputy director, Mr. King's career with NASA was at the Kennedy Space Center in Florida. In 2002, he was named director of Space Shuttle processing, managing and coordinating all Shuttle processing and launch operations at the Kennedy Space Center, overseeing the work of approximately 5,400 civil service and contractor employees.

He joined NASA in 1983 as a main propulsion system engineer. Beginning in 1993, he served as flow director, overseeing preflight preparation, test and checkout for the Space Shuttle Discovery. He was appointed acting deputy director of the Installation Operations Directorate in 1995; deputy director of Shuttle Processing in 1996; Shuttle launch director in 1997; and director of Shuttle Processing in 1999.

Mr. King reassumed the responsibilities of Shuttle launch director from July 1999 to August 2000, overseeing six Space Shuttle launches, including missions to the Russian space station Mir, the International Space Station, and a repair mission to the Hubble Space Telescope.

Mr. King earned a bachelor's degree in mechanical engineering from the University of South Carolina in Columbia in 1983 and a master's degree in business administration from the Florida Institute of Technology in Melbourne in 1991.

For his exceptional contributions to the space program, Mr. King was recognized in 2000 with the NASA Outstanding Leadership Medal for notable outstanding leadership which affects technical or administrative Agency programs. He was twice the recipient of the NASA Exceptional Service Medal, an award granted for significant sustained performance and characterized by unusual initiative or creative ability, in 1994 and 1996. In 2001, he received the Presidential Rank Award, an annual recognition of high-performing senior career employees presented by the president of the United States for exceptional long-term accomplishments.

In 2000, Mr. King was honored by the University of South Carolina with its Outstanding Alumnus award, presented annually to recognize outstanding graduates of the university.

Mr. King is married to the former Lisa Bashaw of Columbus, Ohio. They and their two daughters reside in Madison.